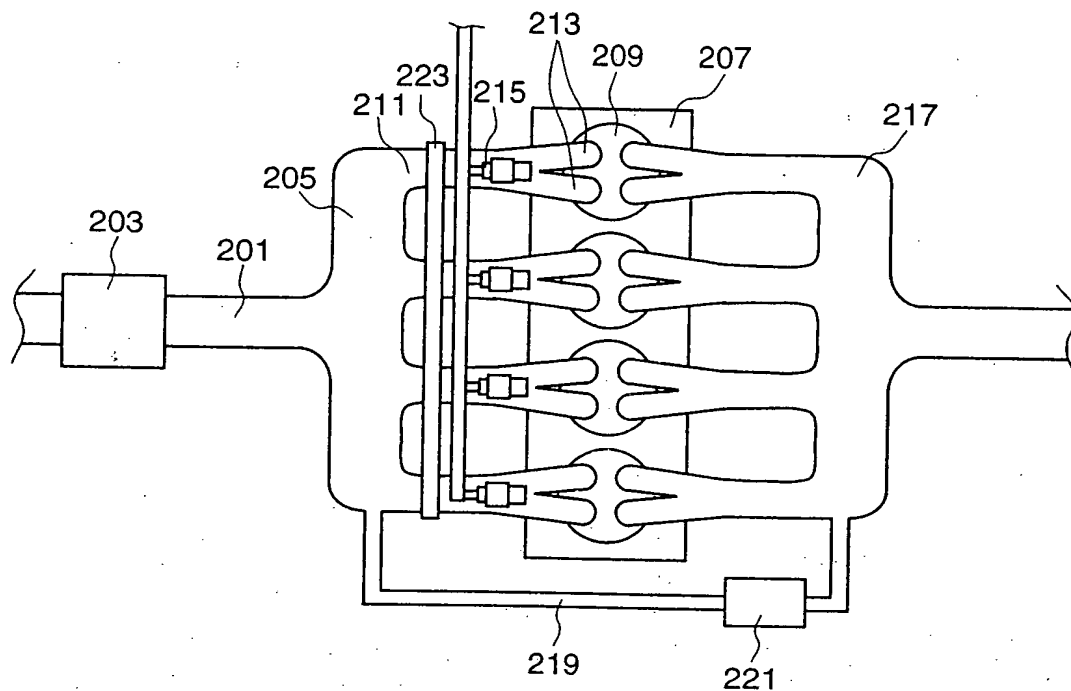




FIG. 5 PRIOR ART



PRIOR ART

FIG. 6

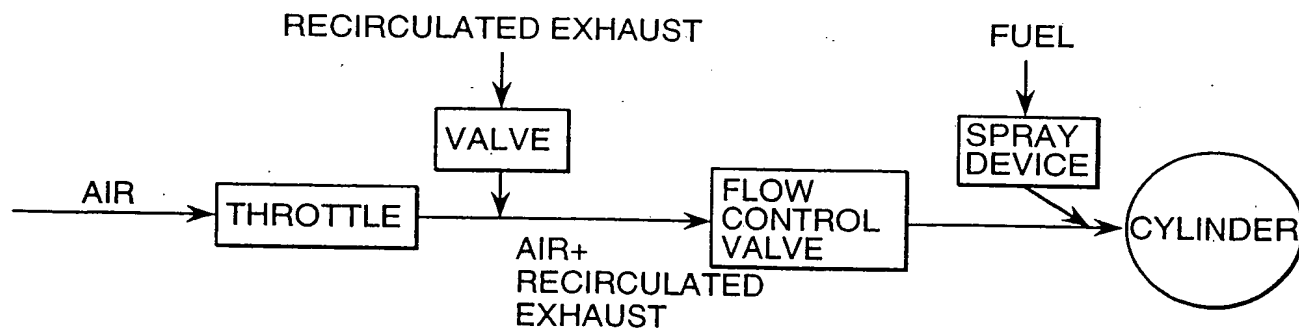


FIG. 10



↑ WHEN VALVE IS ROTATED IN R-DIRECTION

↓ WHEN VALVE IS ROTATED IN F-DIRECTION

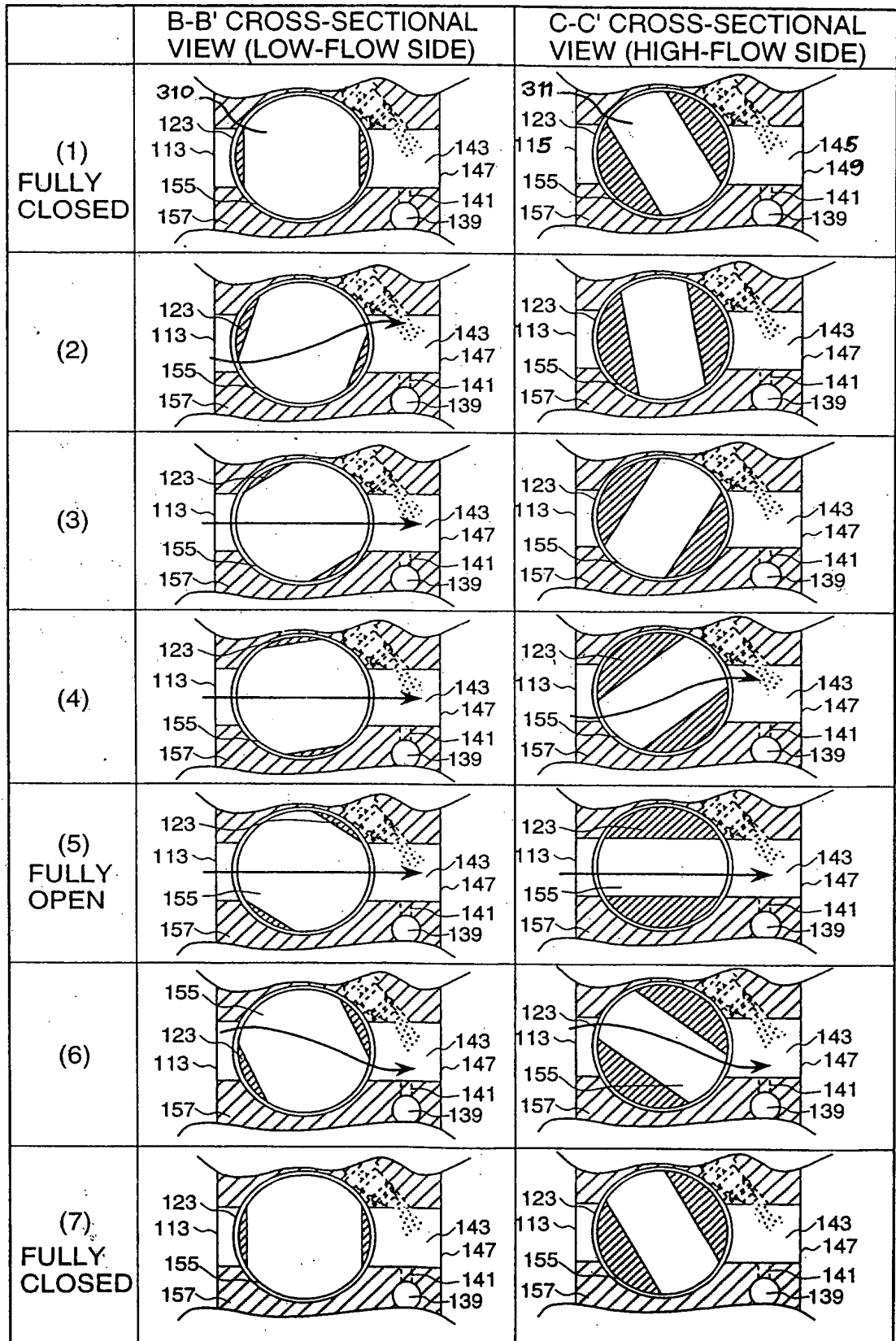
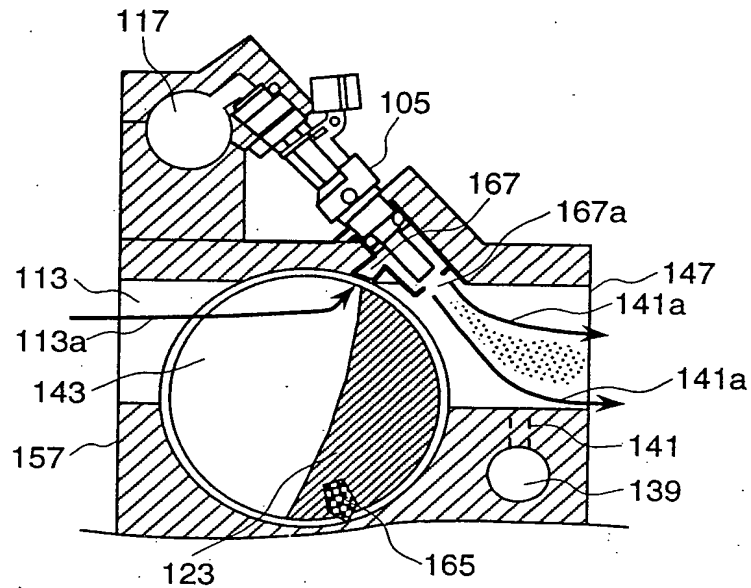




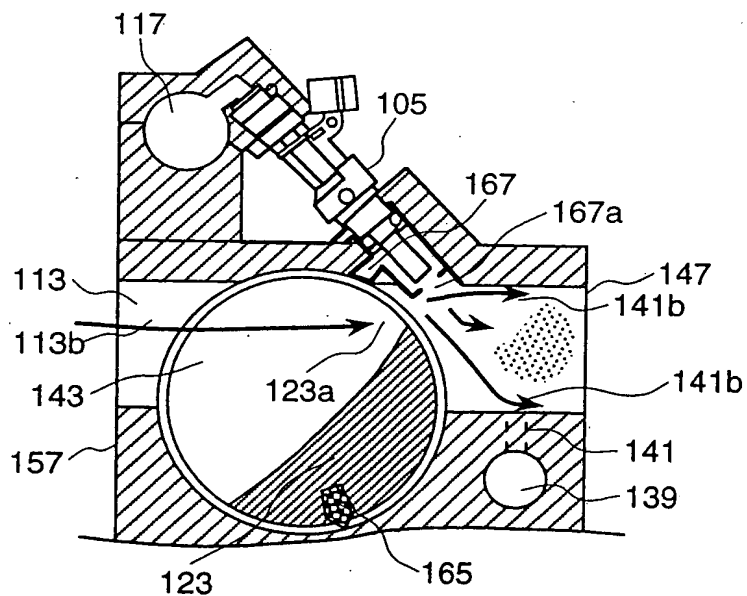
FIG. 36

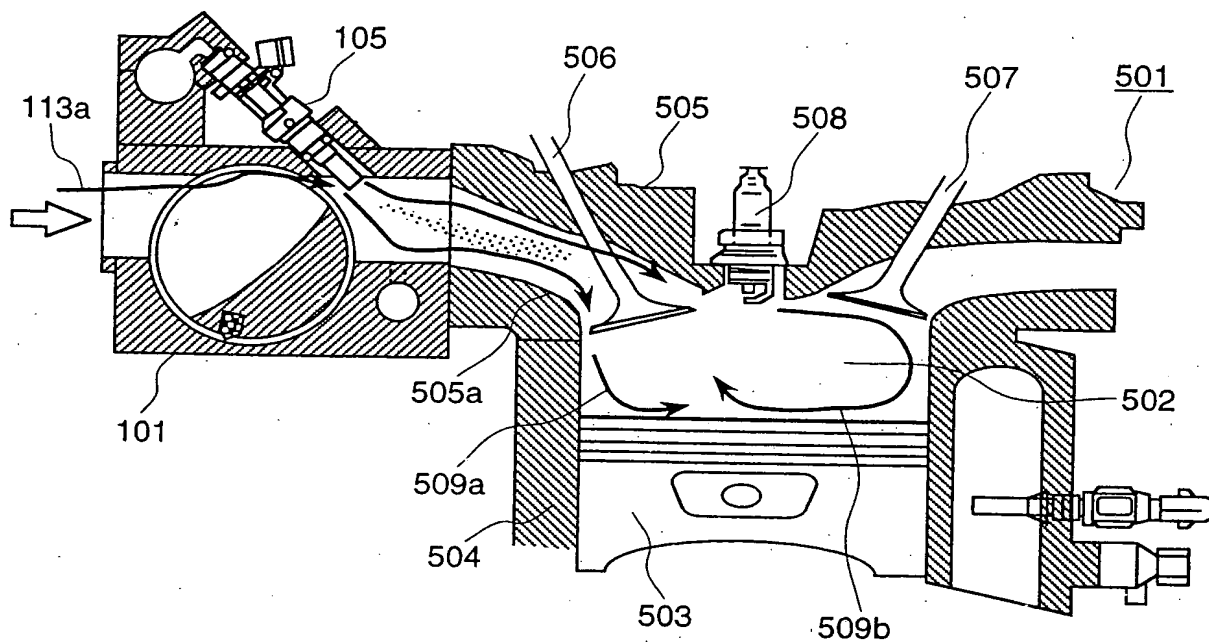
(PARTIAL CROSS-SECTIONAL VIEW OF AIR FLOW CONTROL VALVE 123 FROM THE DIRECTION OF ITS ROTATIONAL AXIS)

(1) REGION OF VELOCITY A



(2) REGION OF VELOCITY B

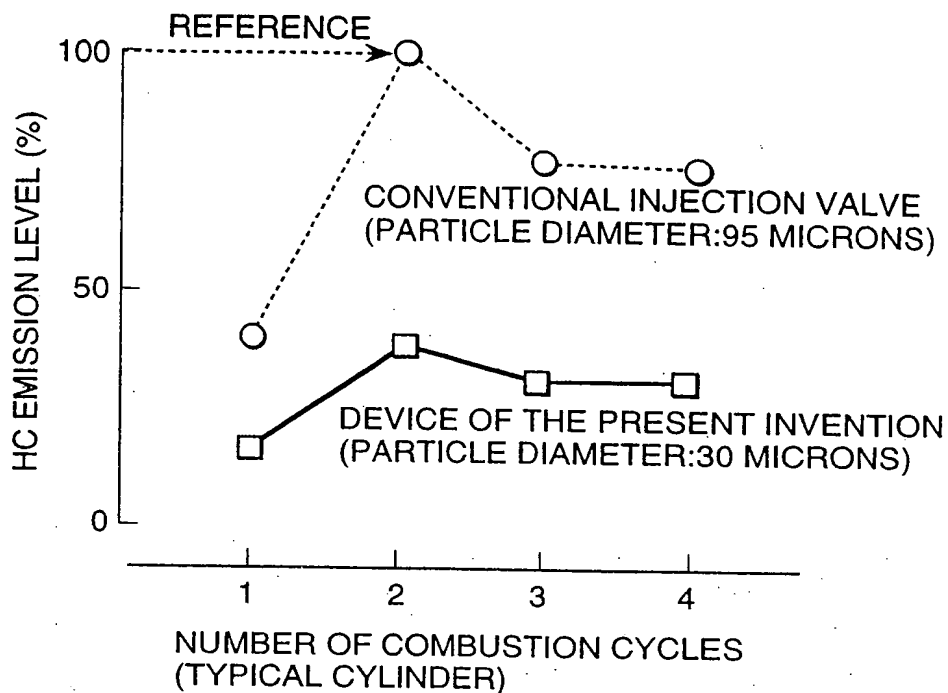


*FIG. 38*

FUEL IS PREFERABLY INJECTED TOWARDS THE WALL SURFACE OF THE CYLINDER HEAD IN IMMEDIATE FRONT OF THE AIR INLET VALVE. HEREBY, THE FUEL IS PULLED TO THE TOP WALL SIDE BY AIR STREAM.

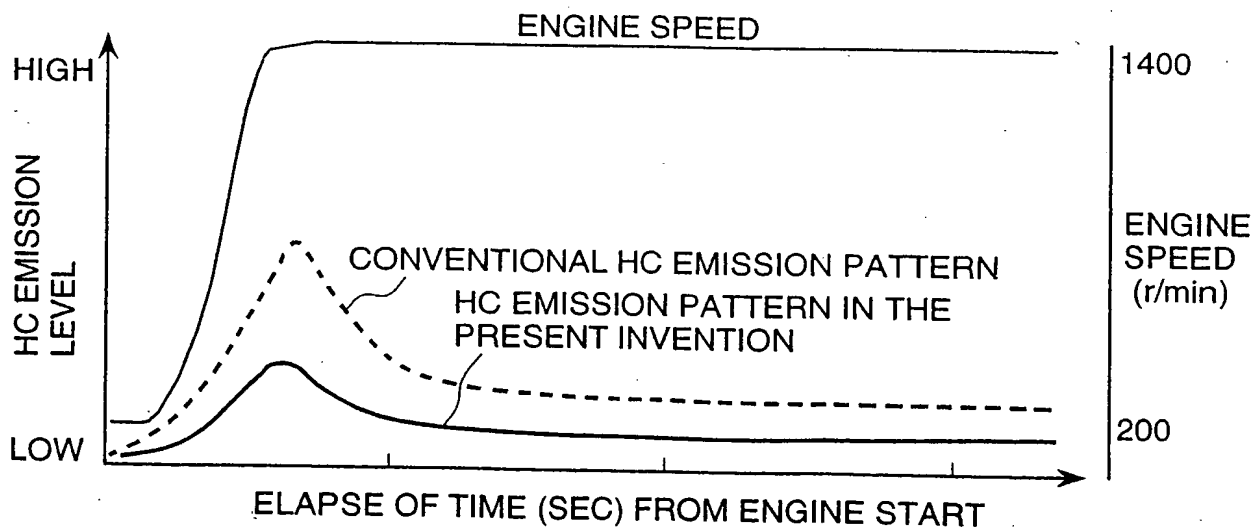


FIG. 39



(A SECOND HC EMISSION LEVEL IS TAKEN AS REFERENCE)

FIG. 40



(COMPARISONS DURING 20 SECONDS FROM START TO FIRST IDLING)